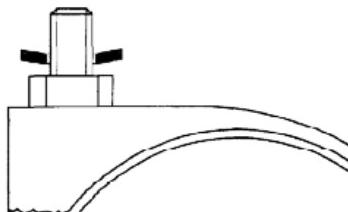


**Evita 4 / 2 dura trolleys with two columns
Technical Service Bulletin Evita 4 # 38
Technical Service Bulletin Evita 2 dura # 18**

- Re:** Evita 4 / 2 dura trolleys with two columns, checking of casters and modification of PMS instructions
- Date:** June 1, 2001
- Reference Doc:** IDM Evita 4 # 38 and Evita 2 dura # 18, dated June 2001
- Reason:** The reason for this TSB is to prevent breaking of caster bolts. When caster bolts are loose and in the event of a high lateral impact load, the bolt is subject to bending, which might break or damage the bolt. To prevent breaking of caster bolts perform the following additional check once on every Evita 4 / 2 dura trolley with two columns.
- Remedy:**
1. Check that the casters are tightened with a torque wrench setting of 35 Nm (25.9 lb-ft).
 2. If the caster is not tightened to 35 Nm (i.e. the caster bolt turns prior to reaching 35 Nm), the caster and the strain washer shall be replaced. Whether the casters are tight or not continue with next steps.
 3. Unscrew all casters.
 4. Inspect for visible damage to casters and caster bolts including a visual inspection to see if caster bolt is bent. Replace all damaged casters or casters that have a visible bent bolt.
 5. Install the strain washers as shown in the see figure bellow.



6. Tighten caster bolts using a torque wrench setting of 40 Nm (29.6 lb-ft). Note: Loctite 221 is unnecessary due to the use of strain washers in this application.
7. Label checked trolleys with "TSB 38/18" inside the mount with a permanent marker, see figure below.



Modification of the Evita 4 / 2dura PMS instructions:

- During the semiannual preventive maintenance service, check all caster bolts of the two column trolleys with a torque wrench setting of 35 Nm (25.9 lb-ft)

Devices affected: All Evita trolleys P/N 84 11 680 with two columns shipped prior to 1998.

When: Next Service Call or Preventive Maintenance

Additional Info 1: Service tools:

Torque wrench:

- Torque wrench 20 - 100 Nm P/N 79 10 132
- or
- Torque wrench, 5 - 50 Nm P/N 79 00 909

Note: Either torque wrench may be used, however if you do not already have either torque wrench, then order P/N 79 10 132.

- Special open-ended wrench, size 17 mm P/N 79 01 204

Cost: Covered by Customer, post warranty

Ordering Info: Trolley with black casters:

- Caster P/N 2M 19 130
- Caster, lockable P/N 2M 19 140
- Strain washer P/N 13 41 146

Distribution: DrägerService Personnel, authorized Service Organizations, and trained hospital technicians for Evita.

If you have any questions, please contact Technical Support by phone at 1-800-543-5047 or by fax at 1-215-721-5789.

Dräger Medical, Inc.
Technical Product Manager